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312 321 4299

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Case No. 10767-8
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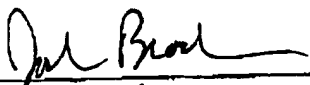
Inventor's Signature

Full name of second joint inventor, if any

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FOOTNOTES

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Inventor(s):

Maltz, Broch. and Mann

Title:

"Method and System for Validating Network Transformation Instructions"

POWER OF ATTORNEY

The specification of the above-identified patent application:

10

is attached hereto

was filed on _____ as application Serial No. _____

☐ was filed on _____ as application Serial No. _____

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

William A. Webb (28 277)

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The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Liza K. Toth as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

David A. Maltz

Date: 1/25/01 ✓

Joshua G. Broch ✓

Date: 11/25/01 ✓


P. Bradley Dunn

Date: 1/25/01 ✓

APPENDIX I

% Creating a network topology object

```

5      network_topo = topo('init');           % graphically place nodes on screen
      addlink(network_topo);                 % graphically connect up nodes
      labelnames(network_topo);              % graphically label nodes

      save network_topo;                     % save network_topo for future use
10

      % Top level procedure to compute paths that optimize use of network capacity
      % inputs:
      %     D = traffic demand matrix
15      %     (retrieved from predictions stored in TMS Statistics Repository)
      %     network_topo = topology object defining the network topology
      %     P = network policy information
      %     (matrix of reserved capacity, which indicates links whose use
      %     is administratively prohibited or which should not be
20      %     completely allocated)
      % outputs:
      %     allocated_paths() = list of paths to set up, to TMS signalling system

25      C = capacity(network_topo);           % retrieve network topology information
      C = C - P;

      saved_C = [];
      saved_SLA = [];
30      assigned_paths = [];
      round = 0;

      [SLA, S] = create_ordered_sla(D);

35      F = SLA(1)

      for F = SLA',
          round = round + 1;
          saved_C{round} = C;
40          saved_SLA{round} = F;

          F % display the flow

          W = calc_weights('calcweight2',F,C);
45          [dist, P] = floyd(W);

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